10/30 at Structural Genomix

- lighting is largest challenge
  - Schematic of top or bottom lighting
  - lensing of top drop and liquid in well
- Drop is 50% test liquid and 50% liquid
  - well has liquid and standard therapeutic
  - liquid migrates to well out of drop
  - leave solutes behind with hopefully crystals.

Crystal machines

- Emerald biosciences
  - Hardware + software
- Cyber labs → Gibson } clunky hardware, is low
  - Hardware + SW out of U of Alabama

		to catalyst via wire
0	Clear	A1 → 0
1	light	A2 → 3
2	Medium / Heavy	A3 → 7
3	Ugly	" "
4	phase separation	" "
5	?	" "
6	Spherolites	
7	Grainy precipitant	
8	Micro crystals < 20 um	lighting: IR filter
9	Crystals > 20 um	- backlight
		- top light

Autofocus lens or manual 2mm thick drop size

Sorted plates upper right corner chamfer

auto zoom - focus as Zooms, light changes as zooms
3x, 10x, 20x

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Enclosure 3